



CEB Hopper Supports and Grate Supports

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TOOLS:

- [Angle grinder \(1\)](#)
- [Punch \(1\)](#)
- [Welder \(1\)](#)
- [torch \(1\)](#)

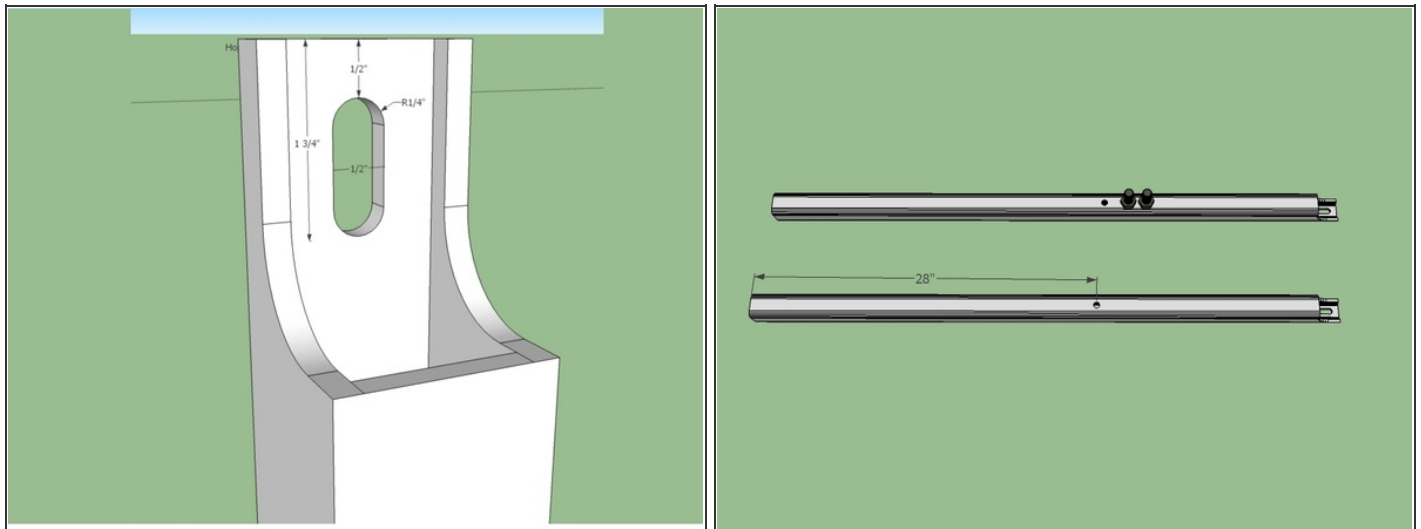
SUMMARY

[Hopper Support Model](#)[Grate Support Model](#)

Additional Materials Required:

3/4"x1.5" Bolts (2)3/4" Nuts (2)[Shaker Mount](#)

Step 1 — Make the Hopper Supports



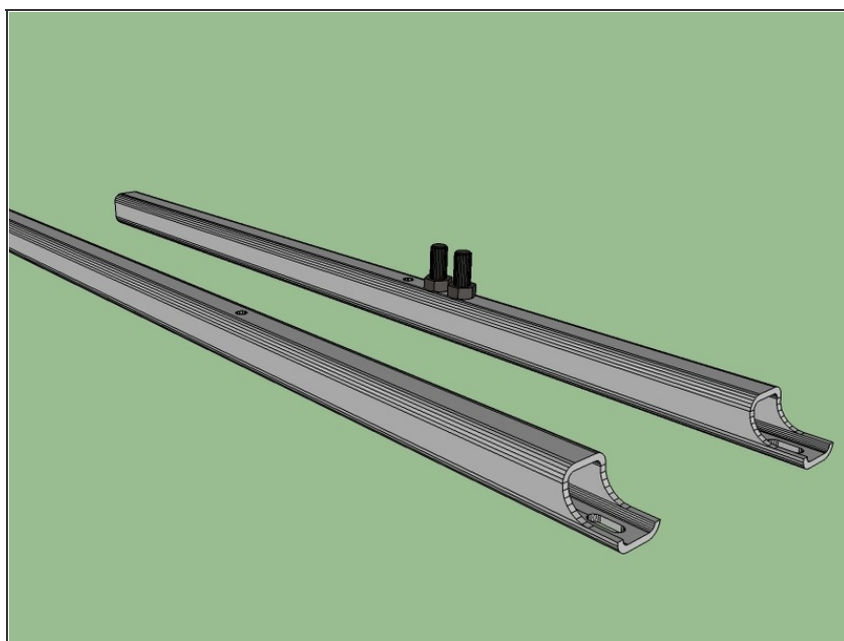
- Torch away the necessary areas. See diagrams.
- The holes for the hopper mounting need to be 28" away from the bottom side. Mark 28" on the opposite tubing walls and torch 1/2" holes. Insure a 1/2" bolt goes all the way thru.
- Torch the cutaway at the top and the slot.
- Grind away any slag.

Step 2



- Lay one support on the table, with the grate mount slot touching the table.
- Get the Shaker Mount and tighten 3/4" bolts with nuts to the Soil Shaker so the bolt head is where the hammer will be.
- Prop this up on the hopper support, so the first bolt is about 2" above the 28" hole and both bolts are touching the support.
- Mark which side of the shaker you are welding the bolts for.

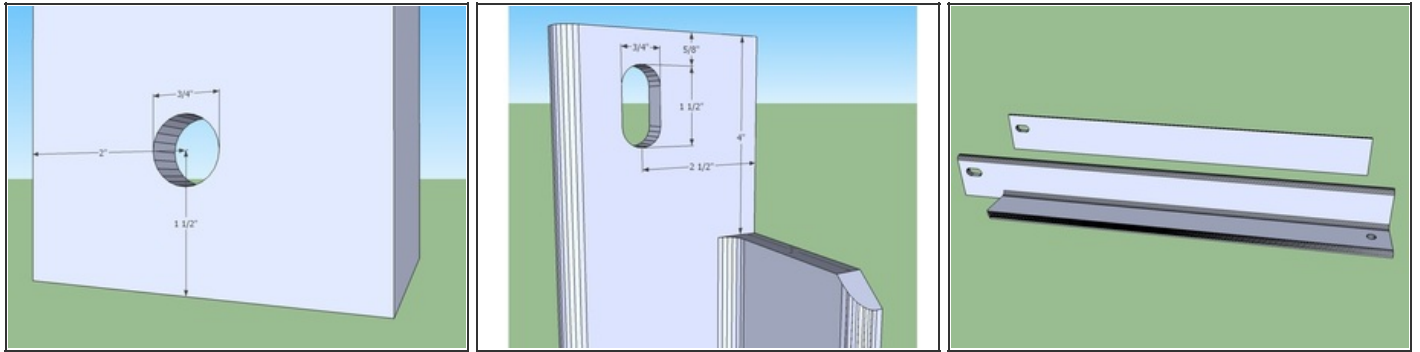
Step 3



- Tack the bolts in place, remove the nuts and dismount the shaker.
- Protect the threads, and finish welding the bolts to the support.
- You are only doing this on one of the supports, the other side, you will do in place, so the spacing is correct.



Step 4 — Make the Grate Supports.



- Punch the hole on the bottom of the supports for each.
- Torch away a 4" section on the top of each grate to make it like the model shown.
 - Remember that the two are mirrored.
 - Cut away the corner so the hopper won't hit it, about a 1" 45 degree triangle.
 - Torch a slot for a 3/4" bolt at the top of the mount, as shown.
- Grind away all the slag.

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